



OBLON, SPIVAK, et al
Docket No: 241538US3X
Inventor: Fumio KINOSHITA, et al.
Serial No: 10/645,543
Reply to NTFCAP dated November 17, 2003
Replacement Sheet

FIG. 1

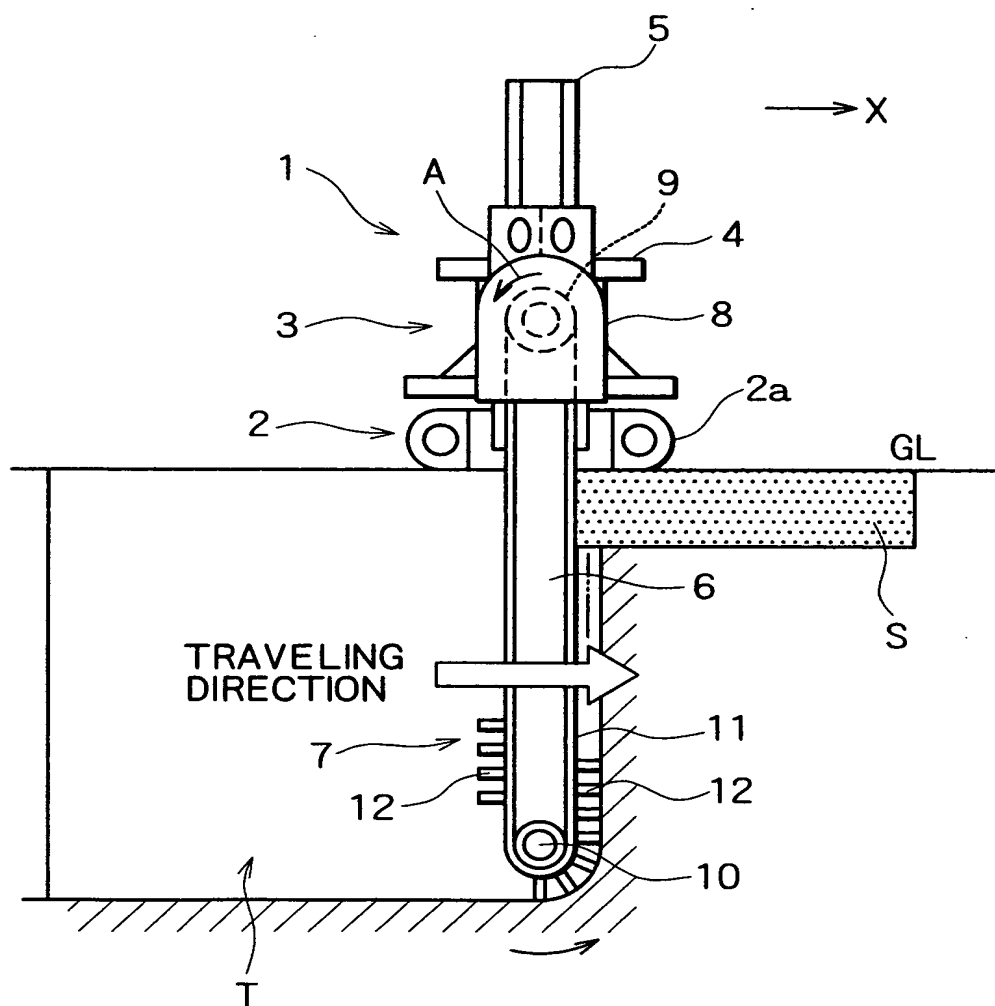
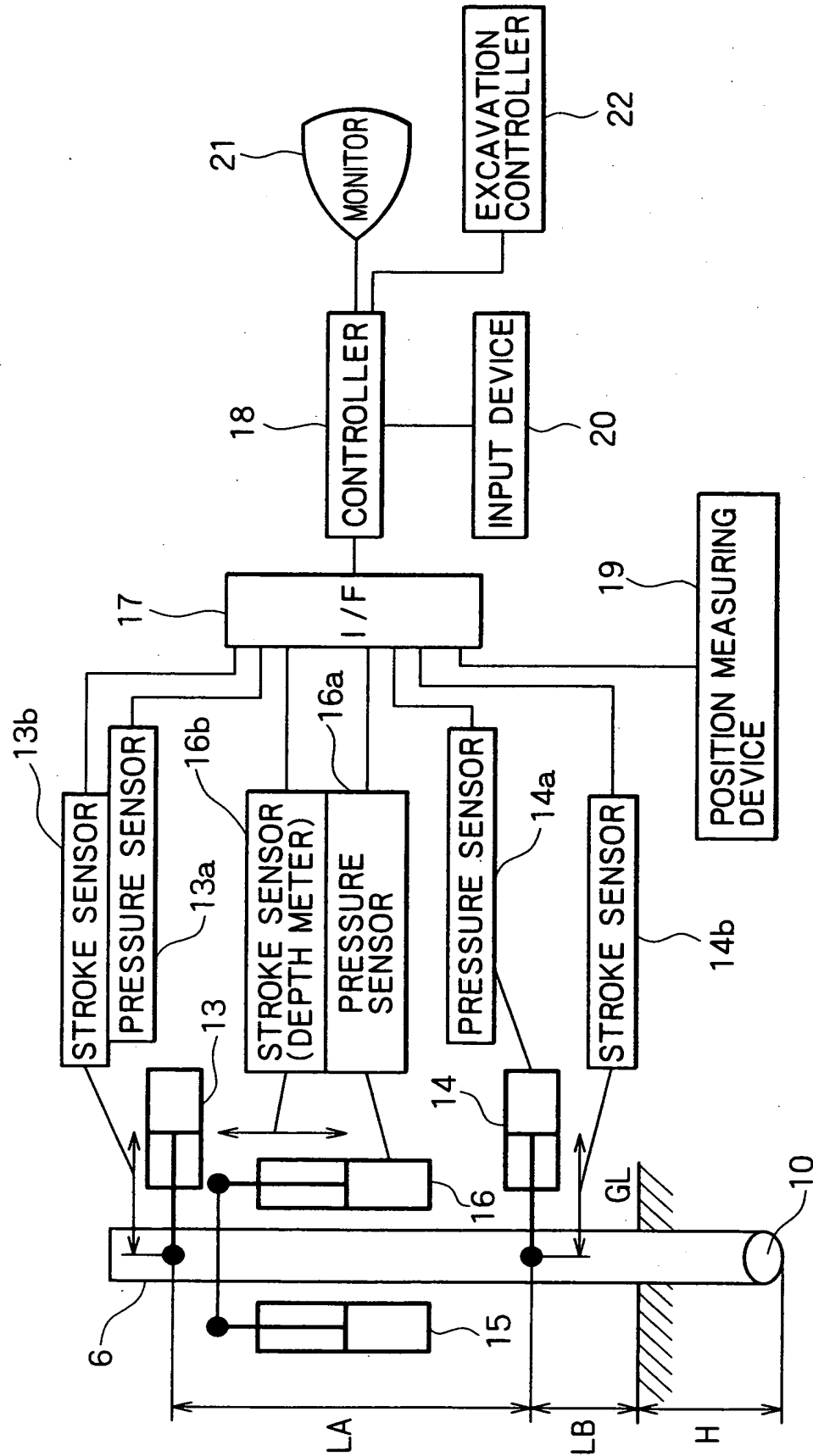




FIG. 2





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FIG. 3

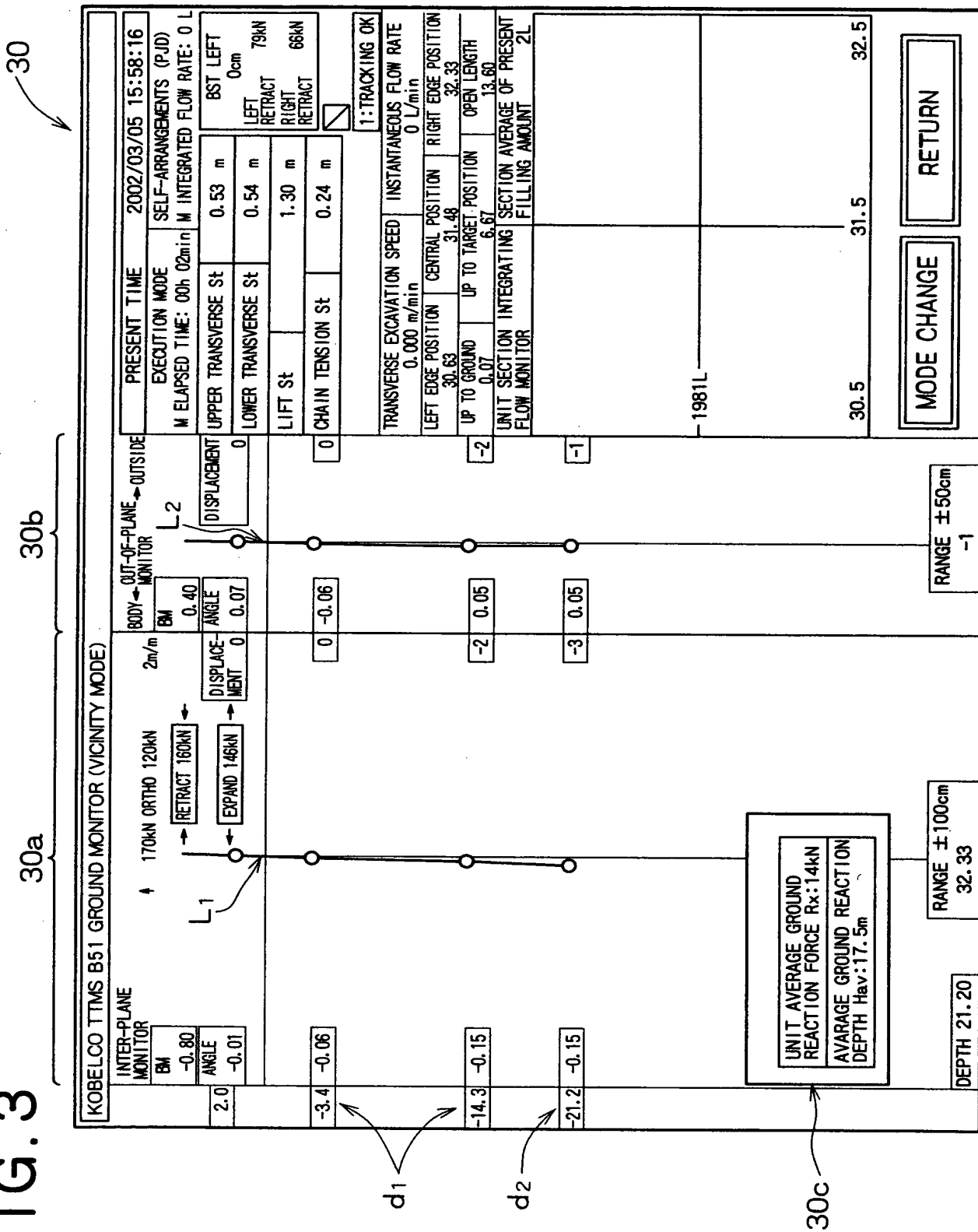




FIG. 4

40

40b

40a

KOBELCO TTMS SELF-PITCHING MONITOR									
WEIGHT OF DRIVE UNIT & POST # 520 kN		INTRA-PLANE MONITOR BM 0.00 ANGLE 0.00 DISPLACEMENT 0		OUT-OF-PLANE MONITOR BM 0.00 ANGLE 0.00 DISPLACEMENT 0		2001/06/14 13:58:25 SELF-PENETRATION (PJK) M ELAPSED TIME: 00h 00min BST LEFT 0 mm LEFT RETRACT 0.0t RIGHT RETRACT 0.0t			
d ₃									
SPECIFIC GRAVITY γ 1.35 t/m ³		DISPLACEMENT -0.7 ANGLE 0.00		DISPLACEMENT 0 ANGLE 0.00		LIFT st 0.00 m LIFT SPEED 0.000 m/min LIFT LOAD 0.0 t CUTTER SPEED 0 m/min CUTTER LOAD 0.0 t UPPER TRANSVERSE FORCE 0.0 t LOWER TRANSVERSE FORCE 0.0 t UPPER TRANSVERSE st 0.000 m LOWER TRANSVERSE st 0.000 m CHAIN TENSION LOAD 0.0 t CHAIN TENSION st 0.000 m INSTANT FLOW RATE 0.0 L/min INTEGRATED FLOW RATE 0 L			
d ₄									
UNDERGROUND VOLUME 15.0 m ³		DISPLACEMENT -8.0 ANGLE 0.00		DISPLACEMENT 0 ANGLE 0.00		CUTTER SPEED 0 m/min CUTTER LOAD 0.0 t UPPER TRANSVERSE FORCE 0.0 t LOWER TRANSVERSE FORCE 0.0 t UPPER TRANSVERSE st 0.000 m LOWER TRANSVERSE st 0.000 m CHAIN TENSION LOAD 0.0 t CHAIN TENSION st 0.000 m INSTANT FLOW RATE 0.0 L/min INTEGRATED FLOW RATE 0 L			
d ₅									
BUOYANCY 199 kN		DISPLACEMENT -18.9 ANGLE 0.00		DISPLACEMENT 0 ANGLE 0.00		CUTTER SPEED 0 m/min CUTTER LOAD 0.0 t UPPER TRANSVERSE FORCE 0.0 t LOWER TRANSVERSE FORCE 0.0 t UPPER TRANSVERSE st 0.000 m LOWER TRANSVERSE st 0.000 m CHAIN TENSION LOAD 0.0 t CHAIN TENSION st 0.000 m INSTANT FLOW RATE 0.0 L/min INTEGRATED FLOW RATE 0 L			
d ₆									
PENETRATION RESISTANCE 321 kN		DISPLACEMENT -29.9 ANGLE 0.00		DISPLACEMENT 0 ANGLE 0.00		CUTTER SPEED 0 m/min CUTTER LOAD 0.0 t UPPER TRANSVERSE FORCE 0.0 t LOWER TRANSVERSE FORCE 0.0 t UPPER TRANSVERSE st 0.000 m LOWER TRANSVERSE st 0.000 m CHAIN TENSION LOAD 0.0 t CHAIN TENSION st 0.000 m INSTANT FLOW RATE 0.0 L/min INTEGRATED FLOW RATE 0 L			
d ₇									
UNIT DEPTH PENETRATION RESISTANCE TIME INTEGRAL VALUE 5420 kNmin/m		DISPLACEMENT -36.2 ANGLE 0.00		DISPLACEMENT 0 ANGLE 0.00		CUTTER SPEED 0 m/min CUTTER LOAD 0.0 t UPPER TRANSVERSE FORCE 0.0 t LOWER TRANSVERSE FORCE 0.0 t UPPER TRANSVERSE st 0.000 m LOWER TRANSVERSE st 0.000 m CHAIN TENSION LOAD 0.0 t CHAIN TENSION st 0.000 m INSTANT FLOW RATE 0.0 L/min INTEGRATED FLOW RATE 0 L			
d ₈									
ESTIMATED CONVERSION N VALUE N VALUE 123						GL CENTRAL POSITION 0.00 m UP TO GROUND END FACE 0.00 m			
d ₉									
TOTAL PENETRATION RESISTANCE INTEGRAL VALUE 13250 kNmin						GL CENTRAL POSITION 0.00 m UP TO GROUND END FACE 0.00 m			
d ₁₀									
ESTIMATED TRANSVERSE SPEED 0.013 m/min						GL CENTRAL POSITION 0.00 m UP TO GROUND END FACE 0.00 m			
d ₁₁									
EXECUTION MODE SELECTION									

DEPTH 36.18